

Converting Colors

$Y_{xy}(100.0000, 0.3389, 0.4292)$

Have a look what the booklet for
Yxy(100.0000, 0.3389, 0.4292)
contains.

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Color

Yxy(90.5061, 0.3417, 0.4164)

Conversions

Conversions Part 1

Format	Color
Hex	E1FFAC
RGB	225, 255, 172
RGB Percent	88%, 100%, 67%
CMY	0.1174, 0.0000, 0.3255
CMYK	0.12, 0.00, 0.33, 0.00
HSL	82°, 100%, 84%
HSV	82°, 33%, 100%
XYZ	74.2698, 90.5061, 52.5779
YIQ	236.5680, 8.7630, -32.1730

Conversions

Conversions Part 2

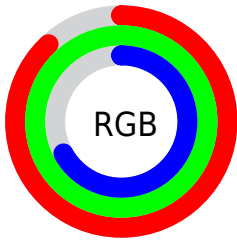
Format	Color
RYB	172, 255, 202
Decimal	14811052
CIELab	96.21, -23.11, 36.55
CIELCh	96, 43.247, 122.308
Yxy	90.5061, 0.3417, 0.4164
Android (android.graphics.Color)	4293001132 (0xFFE1FFAC)
YUV	236.5680, -31.8320, -10.1451
Hunter-Lab	95.1347, -27.1343, 33.8266

Details

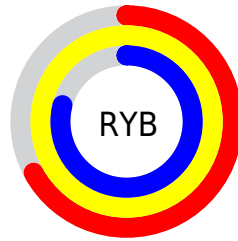
The Yxy color **90.5061, 0.3417, 0.4164** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **49.2664, 0.2754, 0.2374**, and the grayscale version is **84.5914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3814, 0.3286, 0.3552**, and **50.1551, 0.3466, 0.4359** is the 20% darker color. If you saturate the color by 10%, you get **88.1835, 0.3494, 0.4449**, and if you desaturate by 10%, it is **93.1042, 0.3331, 0.3881**.

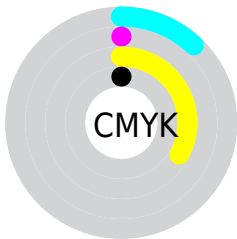
Distribution



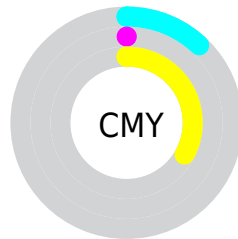
- Red (88%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (79%)



- Cyan (12%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (12%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.5061, 0.3417, 0.4164 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 90.5061, 0.3417, 0.4164 by changing the saturation by 10% instead.

 90.5061, 0.3417,
0.4164

 90.5061, 0.3417,
0.4164


529.6758, 0.3299,
0.3762

 68.4005, 0.3440,
0.4254


 148.0412, 0.3379,
0.4026

 50.2236, 0.3466,
0.4364


184.2394, 0.3364,
0.3972

 35.5911, 0.3495,
0.4502


225.9040, 0.3350,
0.3925

 24.1186, 0.3527,
0.4678

273.4194, 0.3338,
0.3884

 15.4216, 0.3560,
0.4909

327.1698, 0.3326,
0.3848

 9.1158, 0.3586,
0.5223

387.5398, 0.3316,

 4.8168, 0.3597,

0.3816

0.5690

454.9136, 0.3307,
0.3788

■ 2.1402, 0.3550,
0.6450

■ 0.6871, 0.1144,
0.8856

■ 90.5061, 0.3417,
0.4164

■ 90.5061, 0.3417,
0.4164

■ 88.1835, 0.3494,
0.4449

■ 93.1042, 0.3331,
0.3881

■ 86.1126, 0.3558,
0.4725

■ 95.9771, 0.3241,
0.3609

■ 84.2840, 0.3603,
0.4979

■ 99.1391, 0.3150,
0.3352

■ 82.6832, 0.3625,
0.5198

99.9952, 0.3127,
0.3290

■ 81.2935, 0.3623,
0.5371

■ 80.0948, 0.3595,
0.5492

■ 79.3048, 0.3562,
0.5554

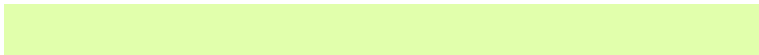
Harmonies

Analogous

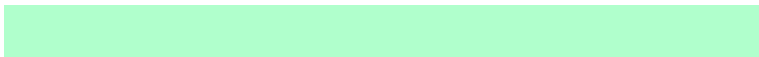
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5061, 0.3837, 0.4081



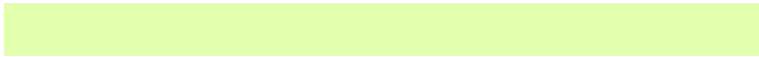
90.5061, 0.3417, 0.4164



90.5061, 0.2938, 0.3959

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.5061, 0.3417, 0.4164



90.5061, 0.2256, 0.2696



90.5061, 0.3736, 0.3041

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



90.5061, 0.3417, 0.4164



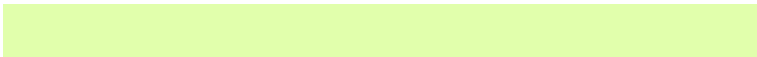
49.2664, 0.2754, 0.2374

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.5061, 0.3265, 0.2733



90.5061, 0.3417, 0.4164



90.5061, 0.2430, 0.2529

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



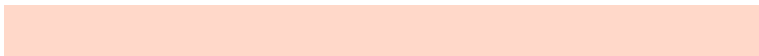
90.5061, 0.3417, 0.4164



90.5061, 0.2290, 0.3050



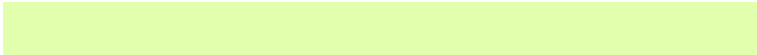
90.5061, 0.2787, 0.2549



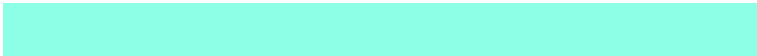
90.5061, 0.4042, 0.3418

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.5061, 0.3417, 0.4164



90.5061, 0.2652, 0.3685



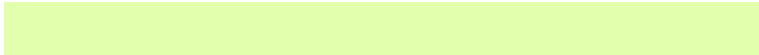
90.5061, 0.2787, 0.2549



90.5061, 0.3590, 0.2928

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



90.5101, 0.3417, 0.4164



96.7624, 0.3218, 0.3542



66.0288, 0.3787, 0.3594



20.6188, 0.3230, 0.3578



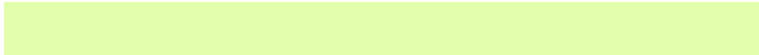
0.0000, 0.0000, 0.0000



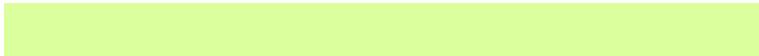
21.4041, 0.3127, 0.3290

Same Dimension

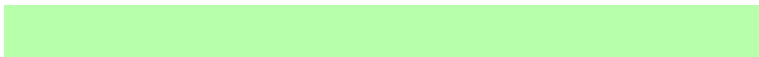
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.5101, 0.3417, 0.4164



88.9858, 0.3468, 0.4348



84.7381, 0.3156, 0.4240



20.7440, 0.3213, 0.3529



41.5284, 0.3572, 0.5546



4.1051, 0.3643, 0.5490

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



49.2664, 0.2754, 0.2374



41.9767, 0.2660, 0.2170



55.6937, 0.3067, 0.2454



17.6965, 0.3035, 0.3048



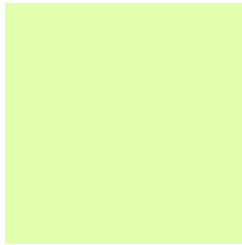
5.0369, 0.1782, 0.0755



0.5494, 0.1905, 0.0823

Previews

White Background



This preview shows how the Yxy color 90.5061, 0.3417, 0.4164 looks on a white background.

Color Contrast Check

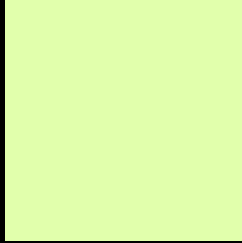
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 90.5061, 0.3417, 0.4164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

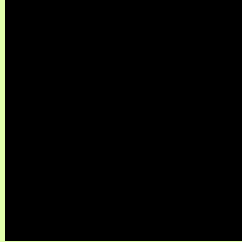
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.5061, 0.3417, 0.4164

Background



This preview shows how black text looks on a background with the Yxy color 90.5061, 0.3417, 0.4164.

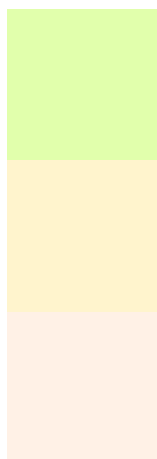


This preview shows how white text looks on a background with the Yxy color 90.5061, 0.3417, 0.4164.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

90.5061, 0.3417, 0.4164

Protanopia

90.3691, 0.3443, 0.3678

Deuteranopia

89.8838, 0.3289, 0.3398



Tritanopia

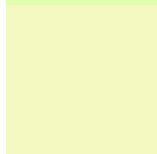
90.4466, 0.3037, 0.3181

Trichromacy



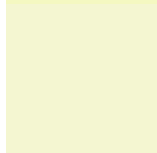
Original Color

90.5061, 0.3417, 0.4164



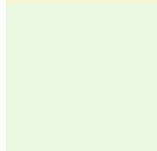
Protanomaly

90.2182, 0.3435, 0.3850



Deuteranomaly

89.7481, 0.3340, 0.3665



Tritanomaly

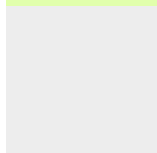
90.2332, 0.3180, 0.3525

Monochromacy



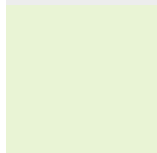
Original Color

90.5061, 0.3417, 0.4164



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.8291, 0.3243, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.5061, 0.3417, 0.4164 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(225, 255, 172)` looks like.

```
.text, #text, p{  
    color:rgb(225, 255, 172)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(225, 255, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 255, 172) }
```

Border

The CSS property to change the border of an element to Yxy 90.5061, 0.3417, 0.4164 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(225, 255, 172) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(225, 255, 172) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(225, 255, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(225, 255,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 90.5061, 0.3417, 0.4164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 255, 172) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(225,  
255, 172) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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